

ABSTRACT

The present invention relates to a ladder-type bulk acoustic wave filter with a common ground inductor, which obtains high attenuation in a high frequency stop band adjacent to a pass band without the insertion loss degradation of the pass band, so that the ladder-type bulk acoustic wave filter is useful as a transmit filter. According to the present invention, the plurality of shunt resonators are commonly grounded through the inductor, so that zeros are generated due to the interaction between the stray capacitance of shunt resonators and the common ground inductor, thus improving attenuation characteristics in a high frequency stop band.